Author Index of Volume 63

Afacan, A., 179
Agarwal, K., 205
Alonso, M., 35
Anderson, N. M., 121
Austin, L. G., 141

Bagster, D. F., 277
Baron, T., 149
Bergougnou, M. A., 149
Biing-Lin Lee, 97
Briens, C. L., 149
Bryson, A. W., 157
Bueno, J. L., 133
Butler, P. B., 229

Chao-Wen Chen, 285
Cheng-Ken Ho, 13
Chibowski, S., 75
Chong, Y. O., 169
Chun-I Lin, 13, 285
Cicerco, D. C., 55
Coca, J., 133
Cohen, R. D., 261
Cuesta, E., 133

de Silva, S. R., 121

Enliang Li, 277

Galtier, P., 149
Gutiérrez Lavín, A., 133

Higashi, H., 35
Horio, M., 69
Huang, C. C., 81
Hussein, G. A. M., 87

Ishizaki, K., 241
Ismail, H. M., 87
Ito, T., 35
Iwata, H., 113

Jiing-Ruey Jeng, 13
Johansen, S. T., 121

Kamel, M. T., 187
Kanda, Y., 221
Keairns, D. L., 55
Kim, K. S., 205
Kinakawa, Y., 241
Kono, H. O., 81
Krystafkiewiez, A., 1
Kusakabe, K., 105

Leung, L. S., 169
Lippert, T. E., 55

Magar, M. N., 87
Manno, V. P., 23
Masliyah, J. H., 179
Masuda, K., 113
Matijević, E., 265
Miyanami, K., 35
Moorooka, S., 105

Nasr-El-Din, H. A., 179
Newby, R. A., 55

O'Dea, D. P., 169
Okubo, T., 105

Ramarao, B. V., 247
Rao, N. S., 197
Reitsma, S. H., 23
Rongchi Yu, 265
Rudolph, V., 169

Sakaguti, N., 221
Satoh, M., 35
Saxena, A. C., 197
Saxena, S. C., 197
Schmitt, R. G., 229
Soo, S. L., 45
Storms, R. F., 247

Takahasi, S., 221
Tory, E. M., 187
Tsukada, M., 69

Van Vliet, B. M., 157
Velasco, G., 133
Vervoorn, P. M. M., 141

Wan P. Hsu, 265
Weiland, R. H., 247

Xi, M., 81

Yang, W. C., 55
Ye-Mon Chen, 13
Yi-Li Lu, 285
Young, B. D., 157

Zaki, M. I., 87
Zhou, L. X., 45

Elsevier Sequoia/Printed in The Netherlands

Subject Index of Volume 63

Analysis
of repeated breakage events as an equivalent rate process, 141
Annotated bibliography
of fluidized bed combustion modelling information, 23

Bed height
effect on particle entrainment from gas-fluidized beds, 149
Blast furnace model
flow of granular material in, 13
Block model
new, of heaps, 277
Break-up processes
steady state coagulation; entropic and energetic factors in, 261
Breakage events
repeated, as an equivalent rate process, 141
Bubble columns involving fine powders
estimation of heat transfer coefficient for immersed surfaces in, 197
Bubble formation
and gas motion at the distributor of a fluidized bed, 69
Bubble size measures
obtained by conversion of pierced lengths measured at a probe; assessment of geometrical probability approach and bubble shape models, 205

Carbonate–silicate powders
highly dispersed, precipitated; as fillers for elastomers, 1
Characterization
of uniform particles of pure and coated metallic copper, 265
Classification, air, of powders
two-phase model for particle local equilibrium applied to, 121
Coal slurries
procedure for determination of flocculated-solid flux curve useful for design of continuous settling tanks for sedimentation of, 133
Cold flow studies
of a novel fluidized bed emissions clean-up concept, 55
Compacted bodies
particle size distribution for highest relative density in, 241
Compressive crushing of powder beds
consideration of size distribution of product and specific energy to produce fine particles, 221
Conductivity
of regular electroconducting networks made from metal-coated plastic powders; effect of concentration of metal on, 35
Continuous settling tanks
flocculated-solid flux curve useful for design of, 133
Conversion of pierced lengths measured at a probe to bubble size measures
assessment of geometrical probability approach and bubble shape models, 205
Copper
pure and coated metallic; preparation and characterization of uniform particles of, 265
Cyclone separators
gas-solid flow and collection of solids in, 45

Determination of shape factor of sinters, 285
Dewatering of particulate materials
using highly water-absorptive polymer, 113

Effect
of bed height on particle entrainment from gas-fluidized beds, 149
of inclination on fluidized beds, 169
of molecular weight of a polymer on the structure of a layer absorbed on the surface of titania, 75
Elastomers
use of highly dispersed, precipitated carbonate–silicate powders as fillers for, 1
Electroconducting networks
regular, made from metal-coated plastic powders; effect of concentration of metal on conductivity, 35
Energetic and entropic factors
in steady state coagulation break-up processes, 261
Estimation of heat transfer coefficient for immersed surfaces
in bubble columns involving fine powders, 197
Evaluation of technique of polygonal harmonics
for characterization of particle shape, 157

Fillers for elastomers
use of highly dispersed, precipitated carbonate–silicate powders as, 1
Flow
gas–solid, and collection of solids in a cyclone separator, 45
Flow conditioners
function and mechanism of, under various loading pressure conditions in bulk powders, 81
Flow of granular material
in a model blast furnace, 13
Fluidized bed combustion
annotated bibliography of modelling information on, 23
Fluidized bed emissions clean-up
cold flow studies of, 55
Fluidized bed processing
of fine particles as advanced materials; recent work on, 105

Elsevier Sequoia/Printed in The Netherlands

Fluidized beds
effect of inclination on, 169
gas motion and bubble formation at distributors of, 69
Function and mechanism
of flow conditioners under various loading pressure conditions in bulk powders, 81

Gas
perfect; shock propagation entrained with a normal distribution of fine particles through a, 229
Gas motion and bubble formation
at the distributor of a fluidized bed, 69
Gas-solid flow
and collection of solids in a cyclone separator, 45
Granular material
flow of, in a model blast furnace, 13

Heaps
new block model of, 277
Heat transfer coefficient
for immersed surfaces in bubble columns involving fine powders, estimation of, 197
Hold-up of slurries
in a horizontal rotary drum with open-end discharge, 179

Iron oxide pigmentary powders
from steel-pickling chemical waste, thermal genesis course of, 87

Low shear rate viscosity
of bimodally dispersed suspensions, 247

Mechanism and function of flow conditioners
under various loading pressure conditions in bulk powders, 81
Modelling information
concerning fluidized bed combustion; annotated bibliography of, 23
Models
geometrical probability approach and bubble shape, used to convert pierced lengths measured at a probe to bubble size measures, 205
Molecular weight of a polymer
effect on the structure of a layer absorbed on the surface of titania, 75

Particle entrainment from gas-fluidized beds
effect of bed height on, 149
Particle local equilibrium
two-phase model for, applied to air classification of powders, 121
Particles
fine; recent work on fluidized bed processing of, as advanced materials, 105
produced by compressive crushing of powder beds, 221
uniform, of pure and coated metallic copper; preparation and characterization of, 265
Particle shape
evaluation by technique of polygonal harmonics, 157
Particle size distribution
for highest relative density in a compacted body, 241
Particulate materials
dewatering of, using highly water-absorptive polymer, 113
Period motion of three spheres
in sedimentation of clusters of identical spheres, 187
Polygonal harmonics
for characterization of particle shape, 157
Polymer
effect of molecular weight of, on the structure of a layer absorbed on the surface of titania, 75
highly water-absorptive; use of, to dewater particulate materials, 113
Polymeric powders
thermo-mechanical test methods for, 97
Powder beds
compressive crushing of: consideration of size distribution of product and specific energy to produce fine particles, 221
Powders
air classification of, by application of two-phase model for particle local equilibrium, 121
bulk; function and mechanism of flow conditioners under various loading pressure conditions in, 81
carbonate–silicate highly dispersed, precipitated; use of, as fillers for elastomers, 1
fine; estimation of heat transfer coefficient for immersed surfaces in bubble columns involving, 197
iron oxide pigmentary, from steel-pickling chemical waste; thermal genesis course of, 87
metal-coated plastic; effect of concentration of metal on conductivity of regular electroconducting networks made from, 35
polymeric; thermo-mechanical test methods for, 97
Preparation and characterization of uniform particles of pure and coated metallic copper, 265

Recent work on fluidized bed processing
of fine particles as advanced materials, 105
Regular electroconducting networks
made from metal-coated plastic powders: effect of concentration of metal on conductivity, 35
Relative density
highest, in a compacted body; particle size distribution for, 241
Rotary drums
horizontal with open-end discharge, slurry hold-up in, 179

Sedimentation
of clusters of identical spheres; period motion of three spheres, 187
of coal slurries: procedure for determination of flocculated-solid flux curve useful for design of continuous settling tanks, 133
Shape factor of sinters
determination of, 285
Shock propagation
entrained with a normal distribution of fine particles through a perfect gas, 229

Silicate–carbonate powders
highly dispersed, precipitated; as fillers for elastomers, 1
Sinters
determination of shape factor of, 285
Slurries
coal; procedure for determination of flocculated-solid flux curve useful for design of continuous settling tanks for sedimentation of, 133
Slurry hold-up
in a horizontal rotary drum with open-end discharge, 179
Solids collection
in a cyclone separator, 45
Spheres
identical; sedimentation of clusters of, 187
Steel-pickling chemical waste
thermal genesis course of iron oxide pigmentary powders from, 87
Suspensions
bimodally dispersed; low shear rate viscosity of, 247
Thermal genesis course of iron oxide pigmentary powders
from steel-pickling chemical waste, 87
Thermo-mechanical test methods
for polymeric powders, 97
Titania
effect of molecular weight of a polymer on the structure of a layer absorbed on the surface of, 75
Two-phase model for particle local equilibrium
applied to air classification of powders, 121

Use of highly dispersed, precipitated carbonate–silicate powders
as fillers for elastomers, 1

Viscosity
low shear rate, of bimodally dispersed suspensions, 247